L Number	Hits	Search Text	DB	Time stamp
1	2	benzo with imidazo with quinoxaline	USPAT; US-PGPUB	2003/04/17 11:04
2	6	benzo with imidazo with quinoline	USPAT; US-PGPUB	2003/04/17 11:05
3	4	benzo with imidazo with (quinoxaline or quinoxalinyl)	USPAT; US-PGPUB	2003/04/17 11:04
4	6	benzo with imidazo with (quinoline or quinolinyl)	USPAT; US-PGPUB	2003/04/17 11:05
5	2	benzo with pyrazolo with (quinazolin or quinazolinyl)	USPAT; US-PGPUB	2003/04/17 11:06
6	2	benzo with thiazolo with (quinoline or quinolinyl)	USPAT; US-PGPUB	2003/04/17 11:06

EAST
9/953,471

09/ 953,471

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Jun 03	New e-mail delivery for search results now available
NEWS 4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 7	Sep 03	JAPIO has been reloaded and enhanced
NEWS 8	Sep 16	Experimental properties added to the REGISTRY file
NEWS 9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11	Oct 24	BEILSTEIN adds new search fields
NEWS 12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13	Nov 18	DKILIT has been renamed APOLLIT
NEWS 14	Nov 25	More calculated properties added to REGISTRY
NEWS 15	Dec 04	CSA files on STN
NEWS 16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17	Dec 17	TOXCENTER enhanced with additional content
NEWS 18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20	Feb 13	CANCERLIT is no longer being updated
NEWS 21	Feb 24	METADEX enhancements
NEWS 22	Feb 24	PCTGEN now available on STN
NEWS 23	Feb 24	TEMA now available on STN
NEWS 24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 25	Feb 26	PCTFULL now contains images
NEWS 26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27	Mar 19	APOLLIT offering free connect time in April 2003
NEWS 28	Mar 20	EVENTLINE will be removed from STN
NEWS 29	Mar 24	PATDPAFULL now available on STN
NEWS 30	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 31	Mar 24	Indexing from 1957 to 1966 added to records in CA/CAPLUS
NEWS 32	Apr 11	Display formats in DGENE enhanced
NEWS 33	Apr 14	MEDLINE Reload

NEWS EXPRESS	April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
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FILE 'HOME' ENTERED AT 11:17:50 ON 16 APR 2003

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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STRUCTURE FILE UPDATES: 15 APR 2003 HIGHEST RN 503084-53-5
DICTIONARY FILE UPDATES: 15 APR 2003 HIGHEST RN 503084-53-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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Uploading 09953471.str

L1 STRUCTURE UPLOADED

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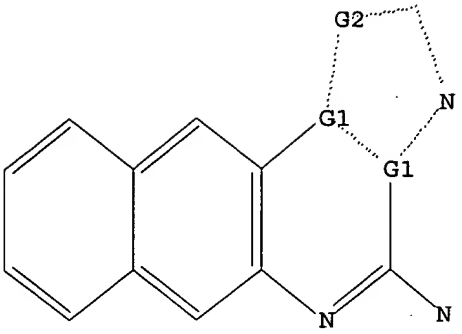
L1 HAS NO ANSWERS
L1 STR



G1 C,N

G2 C,S,N

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED -     60 TO ITERATE

100.0% PROCESSED      60 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          736 TO     1664
PROJECTED ANSWERS:               0 TO        0

L2             0 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 11:18:22 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   1092 TO ITERATE

100.0% PROCESSED    1092 ITERATIONS                              10 ANSWERS
SEARCH TIME: 00.00.01

L3            10 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   148.15     148.36

FILE 'CAPLUS' ENTERED AT 11:18:29 ON 16 APR 2003
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FILE COVERS 1907 - 16 Apr 2003 VOL 138 ISS 16
FILE LAST UPDATED: 15 Apr 2003 (20030415/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3
L4 3 L3

=> d l4 1- ibib abs hitstr
YOU HAVE REQUESTED DATA FROM 3 ANSWERS - CONTINUE? Y/(N):y

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2003:77552 CAPLUS
DOCUMENT NUMBER: 138:131112
TITLE: Methods of treating inflammatory and immune diseases using inhibitors of I.kappa.B kinase (IKK)
INVENTOR(S): Burke, James R.; Townsend, Robert M.; Qiu, Yuping; Zusi, Fred Christopher; Nadler, Steven G.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 38 pp., Cont.-in-part of U.S. Ser. No. 965,977.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003022898	A1	20030130	US 2002-62847	20020201
US 2002072523	A1	20020613	US 2001-965977	20010927

PRIORITY APPLN. INFO.: US 2000-223304P P 20001003
US 2001-265853P P 20010201
US 2001-965977 A2 20010927
OTHER SOURCE(S): MARPAT 138:131112
AB The present invention describes methods of preventing and treating inflammatory and immune-related diseases or disorders using inhibitors of I.kappa.B kinase (IKK). Also described are IKK inhibitors effective for the prevention and treatment of inflammatory and immune-related diseases or disorders, as demonstrated in vivo. Further embodiments of the invention relate to specific IKK inhibitors, 4(2'-aminoethyl)amino-1,8-dimethylimidazo(1,2-a) quinoxaline and related compds.
IT **409369-76-2P 409369-77-3P 409369-78-4P**
409369-79-5P 409369-80-8P 409369-81-9P
409369-82-0P 409369-83-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(treating inflammatory and immune diseases using inhibitors of IkB kinase)
RN 409369-76-2 CAPLUS
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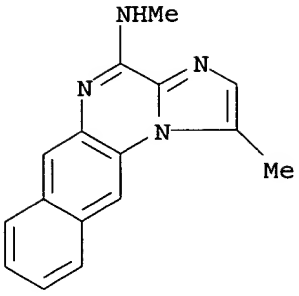

RN 409369-77-3 CAPLUS
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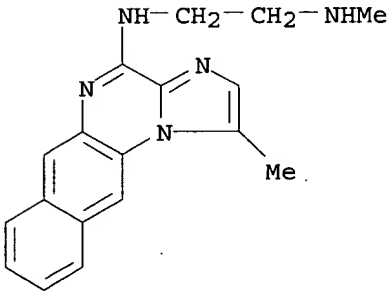
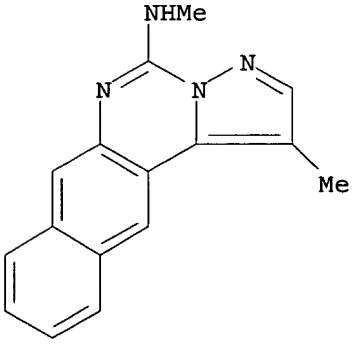
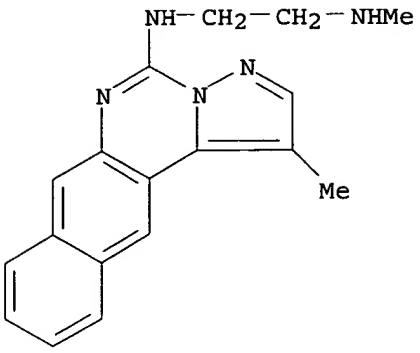


● HCl

RN 409369-78-4 CAPLUS
CN Benzo[g]pyrazolo[1,5-c]quinazolin-5-amine, N,1-dimethyl- (9CI) (CA INDEX NAME)



RN 409369-79-5 CAPLUS
CN 1,2-Ethanediamine, N-methyl-N'-(1-methylbenzo[g]pyrazolo[1,5-c]quinazolin-5-yl)- (9CI) (CA INDEX NAME)



RN 409369-80-8 CAPLUS
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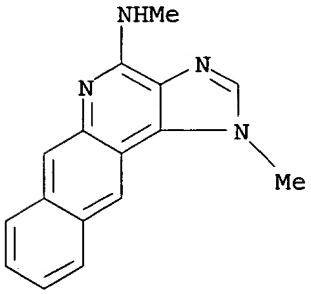

RN 409369-81-9 CAPLUS
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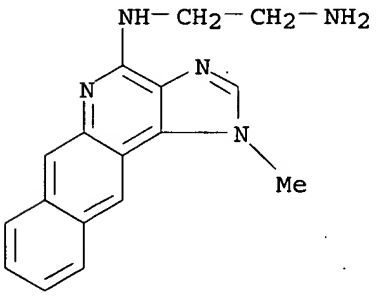
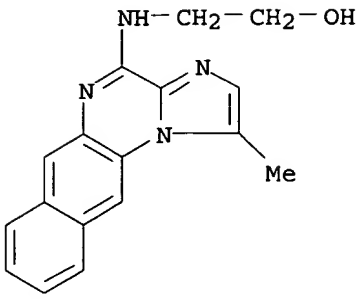
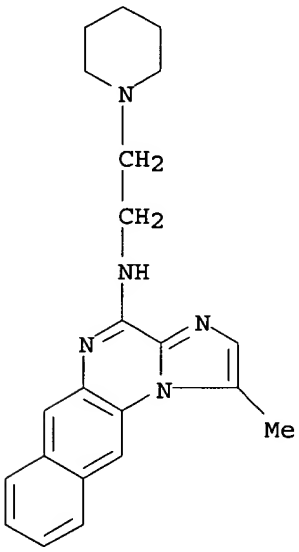


RN 409369-82-0 CAPLUS
CN Ethanol, 2-[(1-methylbenz[g]imidazo[1,2-a]quinoxalin-4-yl)amino]- (9CI) (CA INDEX NAME)



RN 409369-83-1 CAPLUS
CN Benz[g]imidazo[1,2-a]quinoxalin-4-amine, 1-methyl-N-[2-(1-piperidinyl)ethyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:594634 CAPLUS
DOCUMENT NUMBER: 137:154947
TITLE: Method of treating inflammatory and immune diseases using 4-amino substituted imidazoquinoxaline, benzopyrazoloquinazoline, benzoimidazoquinoxaline and benzoimidazoquinoline inhibitors of I.kappa.b kinase (IKK)
INVENTOR(S): Burke, James R.; Nadler, Steven; Qiu, Yuping; Townsend, Robert M.; Zusi, Fred Christopher
PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA
SOURCE: PCT Int. Appl., 100 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002060386	A2	20020808	WO 2002-US3060	20020201

09/ 953,471

WO 2002060386 A3 20021010
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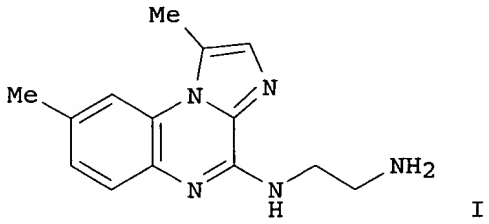
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
US 2002072523 A1 20020613 US 2001-965977 20010927
PRIORITY APPLN. INFO.: US 2001-265853P P 20010201
US 2001-965977 A 20010927
US 2000-223304P P 20001003
OTHER SOURCE(S): MARPAT 137:154947
GI



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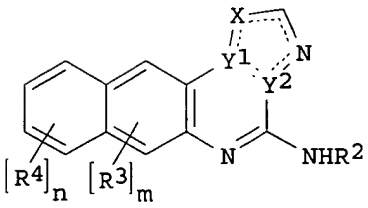

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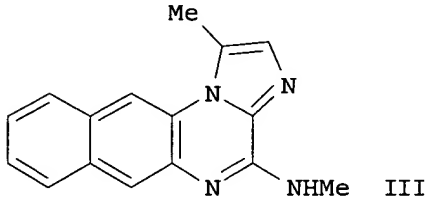


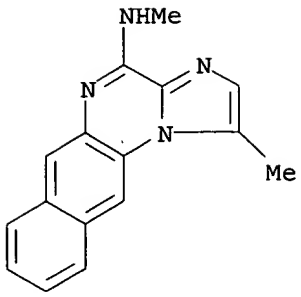
III

AB The title compd. I and compds. II [X = NR1, CR1, S; Y1, Y2 = N, C (with provisos); R1 = H, halo, alkyl, etc.; R2 = alkyl, alkenyl, alkoxy, etc.; R3, R4 = halo, alkyl, NO2, etc.; m, n = 0-2], useful in preventing and treating inflammatory and immune-related diseases or disorders using inhibitors of I.kappa.B kinase (IKK), were prepd. Thus, reacting 4-chloro-1-methylbenzo[g]imidazo[1,2-a]quinoxaline (prepn. given) with MeNH2 afforded 69% III which showed IC50 of 0.23 .mu.M against IKK-1.

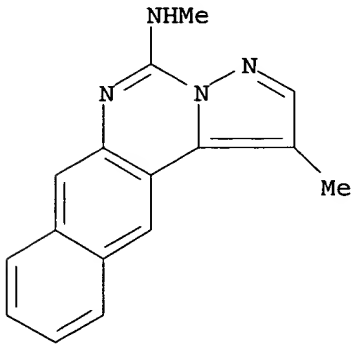
IT **409369-76-2P 409369-78-4P 409369-79-5P**
409369-80-8P 409369-81-9P 409369-82-0P
409369-83-1P 445430-60-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(method of treating inflammatory and immune diseases using 4-amino substituted imidazoquinoxaline, benzopyrazoloquinazoline, benzoimidazoquinoxaline and benzoimidazoquinoline inhibitors of I.kappa.b kinase (IKK))

RN 409369-76-2 CAPLUS

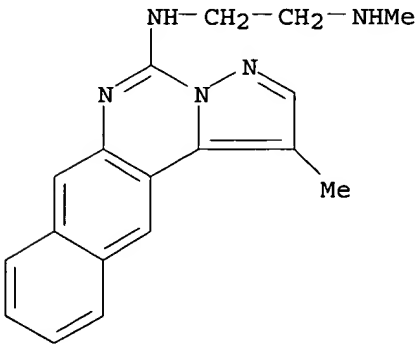
CN Benz[g]imidazo[1,2-a]quinoxalin-4-amine, N,1-dimethyl- (9CI) (CA INDEX NAME)



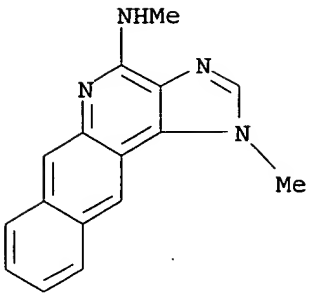
RN 409369-78-4 CAPLUS
CN Benzo[g]pyrazolo[1,5-c]quinazolin-5-amine, N,1-dimethyl- (9CI) (CA INDEX NAME)



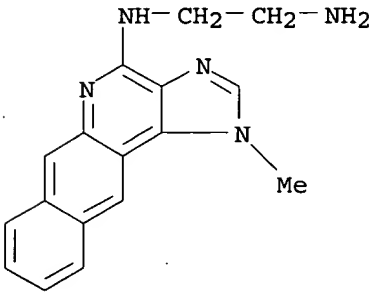
RN 409369-79-5 CAPLUS
CN 1,2-Ethanediamine, N-methyl-N'-(1-methylbenzo[g]pyrazolo[1,5-c]quinazolin-5-yl)- (9CI) (CA INDEX NAME)



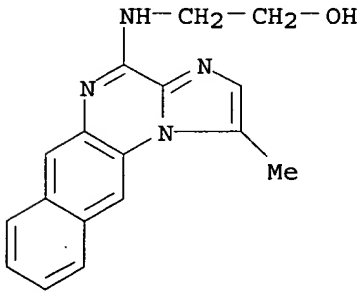
RN 409369-80-8 CAPLUS
CN 1H-Benz[g]imidazo[4,5-c]quinolin-4-amine, N,1-dimethyl- (9CI) (CA INDEX NAME)



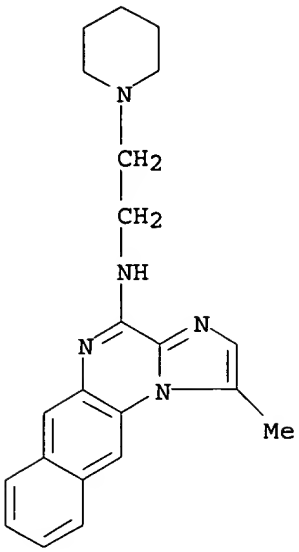
RN 409369-81-9 CAPLUS
CN 1,2-Ethanediamine, N-(1-methyl-1H-benz[g]imidazo[4,5-c]quinolin-4-yl)- (9CI) (CA INDEX NAME)



RN 409369-82-0 CAPLUS
CN Ethanol, 2-[(1-methylbenz[g]imidazo[1,2-a]quinoxalin-4-yl)amino]- (9CI) (CA INDEX NAME)



RN 409369-83-1 CAPLUS
CN Benz[g]imidazo[1,2-a]quinoxalin-4-amine, 1-methyl-N-[2-(1-piperidinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 445430-60-4 CAPLUS
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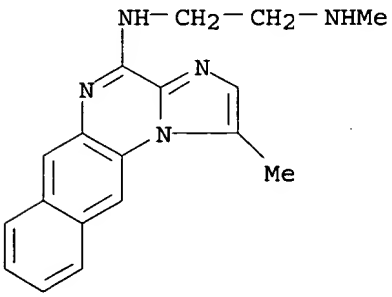


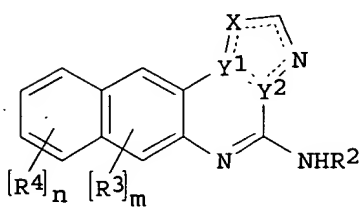
●x HCl

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:275989 CAPLUS
DOCUMENT NUMBER: 136:309937
TITLE: Preparation of amino-substituted tetracyclic compounds as antiinflammatory agents
INVENTOR(S): Beaulieu, Francis; Ouellet, Carl; Belema, Makonen; Qiu, Yuping; Yang, Xuejie; Zusi, Fred C.
PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA
SOURCE: PCT Int. Appl., 57 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

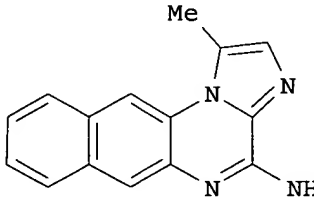
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

09/ 953,471

WO 2002028860 A2 20020411 WO 2001-US42387 20010927
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
AU 2002011827 A5 20020415 AU 2002-11827 20010927
PRIORITY APPLN. INFO.: US 2000-223304P P 20001003
WO 2001-US42387 W 20010927
OTHER SOURCE(S): MARPAT 136:309937
GI



I



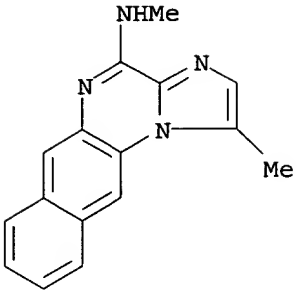
II

AB The title compds. [I; X = NR1, CR1, S; Y1, Y2 = N, C, provided that (a) when X = CR1, at least one of Y1 and Y2 = N, and (b) when one of Y1 and Y2 = C, the other of Y1 and Y2 = N and/or X = NR1 or S, so that ring A defines a 5-membered heteroaryl ring having at least two heteroatoms; R1 = H, halo, alkyl, etc.; R2 = alkyl, alkenyl, alkoxy, etc.; R3, R4 = halo, alkyl, NO2, etc.; m, n = 0-2] and their pharmaceutically-acceptable salts, useful in treating inflammatory and immune diseases and disorders, were prepd. Thus reacting 4-chloro-1-methylbenzo[g]imidazo[1,2-a]quinoxaline (prepn. given) with MeNH2 (40% in H2O) in THF afforded 69% II. The exemplified compds. I showed IC50 values of < 9 .mu.M against TNF.alpha. prodn.

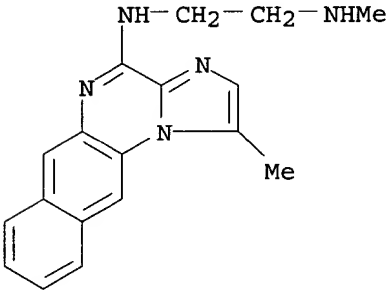
IT **409369-76-2P 409369-77-3P 409369-78-4P**
409369-79-5P 409369-80-8P 409369-81-9P
409369-82-0P 409369-83-1P 409369-84-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of amino-substituted tetracyclic compds. as antiinflammatory agents)

RN 409369-76-2 CAPLUS

CN Benz[g]imidazo[1,2-a]quinoxalin-4-amine, N,1-dimethyl- (9CI) (CA INDEX NAME)

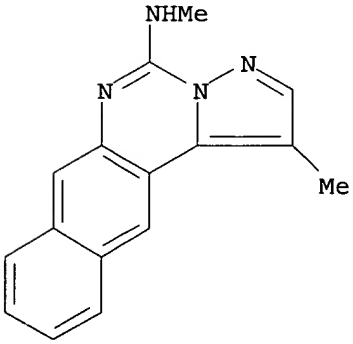


RN 409369-77-3 CAPLUS
CN 1,2-Ethanediamine, N-methyl-N'-(1-methylbenz[g]imidazo[1,2-a]quinoxalin-4-yl)-, monohydrochloride (9CI) (CA INDEX NAME)

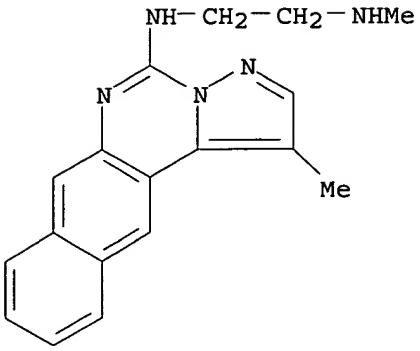


● HCl

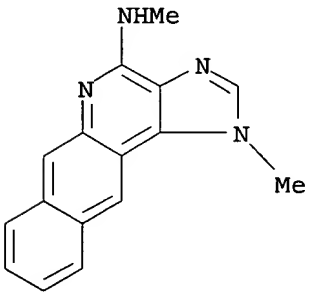
RN 409369-78-4 CAPLUS
CN Benzo[g]pyrazolo[1,5-c]quinazolin-5-amine, N,1-dimethyl- (9CI) (CA INDEX NAME)



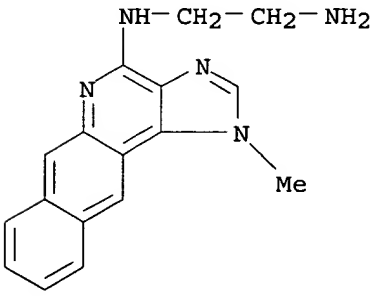
RN 409369-79-5 CAPLUS
CN 1,2-Ethanediamine, N-methyl-N'-(1-methylbenzo[g]pyrazolo[1,5-c]quinazolin-5-yl)- (9CI) (CA INDEX NAME)



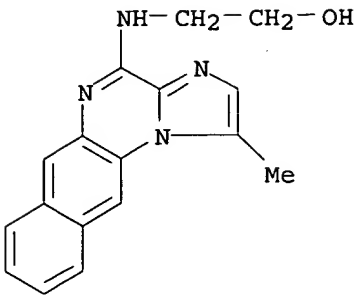
RN 409369-80-8 CAPLUS
CN 1H-Benz[g]imidazo[4,5-c]quinolin-4-amine, N,1-dimethyl- (9CI) (CA INDEX NAME)



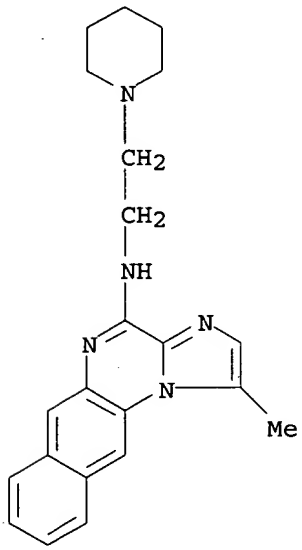
RN 409369-81-9 CAPLUS
CN 1,2-Ethanediamine, N-(1-methyl-1H-benz[g]imidazo[4,5-c]quinolin-4-yl)- (9CI) (CA INDEX NAME)



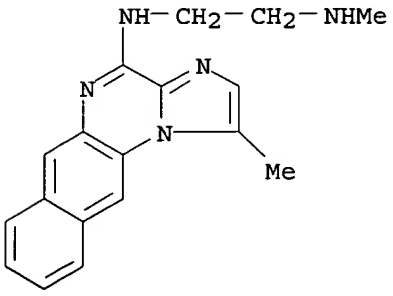
RN 409369-82-0 CAPLUS
CN Ethanol, 2-[(1-methylbenz[g]imidazo[1,2-a]quinoxalin-4-yl)amino]- (9CI) (CA INDEX NAME)



RN 409369-83-1 CAPLUS
CN Benz[g]imidazo[1,2-a]quinoxalin-4-amine, 1-methyl-N-[2-(1-piperidinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 409369-84-2 CAPLUS
CN 1,2-Ethanediamine, N-methyl-N'-(1-methylbenz[g]imidazo[1,2-a]quinoxalin-4-yl)- (9CI) (CA INDEX NAME)



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09/ 953,471

(FILE 'HOME' ENTERED AT 11:17:50 ON 16 APR 2003)

FILE 'REGISTRY' ENTERED AT 11:17:55 ON 16 APR 2003
L1 STRUCTURE UPLOADED
L2 0 S L1
L3 10 S L1 FUL

FILE 'CAPLUS' ENTERED AT 11:18:29 ON 16 APR 2003
L4 3 S L3

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	14.03	162.39

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.95	-1.95

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